

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

MINAMIDE et al.

Art Unit: Unknown

Application No.: Unknown

Examiner: Unknown

Filed: February 7, 2001

For: PROGRAMMABLE  
CONTROLLER, AND  
CONTROL-  
PROGRAM-  
DEVELOPMENT  
SUPPORTING  
APPARATUS

**SPECIFICATION, CLAIMS AND  
ABSTRACT AS PRELIMINARILY AMENDED**

Amendments to the paragraph beginning at page 1, line 13:

~~Production equipments~~ equipment and production methods have ~~been~~ rapidly changed in industrial fields, particularly in production fields ~~independently~~, independent of the scale of a field, and the range of electrical-system controllers for ~~equipments~~ equipment and systems for production has been ~~increased~~ increasing year ~~by~~ after year. Therefore, it is important ~~how to communicate~~ in communicating with a mechanical system, rationally to improve the cost performance, and realize a high-speed easy-to-handle user interface ~~under the above~~ in this environment.

Amendments to the paragraph beginning at page 3, line 11:

Therefore, the programmable controller may use a configuration for receiving the instruction list and executing sequential processing in accordance with instructions shown by the instruction list. In this case, the programmable controller sequentially executes a control program by interpreting the received instruction list ~~one~~ line by ~~one~~ line, that is, by converting the list into code directly- executable ~~codes~~ by a microprocessor mounted